| E TRANSMITTAL | | Applic | ation Number | 10/643 | 3,674 | |
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| PE TRANSMITTAL | • | Filing Date | | Augus | August 19, 2003 | |
| FORM | | First N | lamed Invent r | Hyon | et al. | |
| (to be used all correspondence after in | nitial filing) | Group | Art Unit | | | |
| - Caret | | Exami | ner Name | | | |
| amber of Pages in This Submission | | Attorn | ey Docket Number | 1736-0 | 000001/REB | |
| ENCLOSURES (check all that apply) | | | | | | |
| Fee Transmittal Form | Assignr (for an A | ment Pap Application | pers) | | er Allowance Communication to oup | |
| Fee Attached | Drawing | g(s) | | | peal Communication to Board of peals and Interferences | |
| Amendment / Response | Licensi | ng-relate | d Papers | | peal Communication to Group peal Notice, Brief, Reply Brief) | |
| After Final | Petition | 1 | | | oprietary Information | |
| Affidavits/declaration(s) | | to Conv onal App | | ☐ Sta | utus Letter | |
| Extension of Time Request | Power of Change | of Attorne e of Corre | ey, Revocation espondence Address | Other Enclosure(s) (please identify below): | | |
| Express Abandonment Request | | Terminal Disclaimer Request for Refund | | | Form 1449; Return postcard | |
| ☐ Information Disclosure Statement | | CD, Number of CD(s) | | | | |
| Certified Copy of Priority Document(s) Rem | | to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed. | | equired under 37 CFR 1.16 or 1.17 | | |
| Response to Missing Parts/ Incomplete Application | | | | | | |
| Response to Missing Parts under 37 CFR 1.52 or 1.53 | | | | | | |
| SIGNA | TURE OF A | APPLICA | ANT, ATTORNEY, O | R AGEN | iT | |
| Firm or Individual name Harpess, Dickey & | | Attorney Name | | | Reg. No. 30,692 | |
| Signature | | | | | · | |
| Date November 14 , 2 | Date November 1 , 2003 | | | | | |
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| I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below. | | | | | | |
| Typed or printed name David L. Sute | | | | | | |
| Signature | 丈 | , | Date | November 19 , 2003 | | |

PATENT

Application No.:

10/643,674

Filing Date:

August 19, 2003

Applicant:

Hyon et al.

Title:

Ultra High Molecular Weight Polyethylene Molded Article For

TED STATES PATENT AND TRADEMARK OFFICE

Artificial Joints and Method of Preparing The Same

Attorney Docket:

1736-000001/REB

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

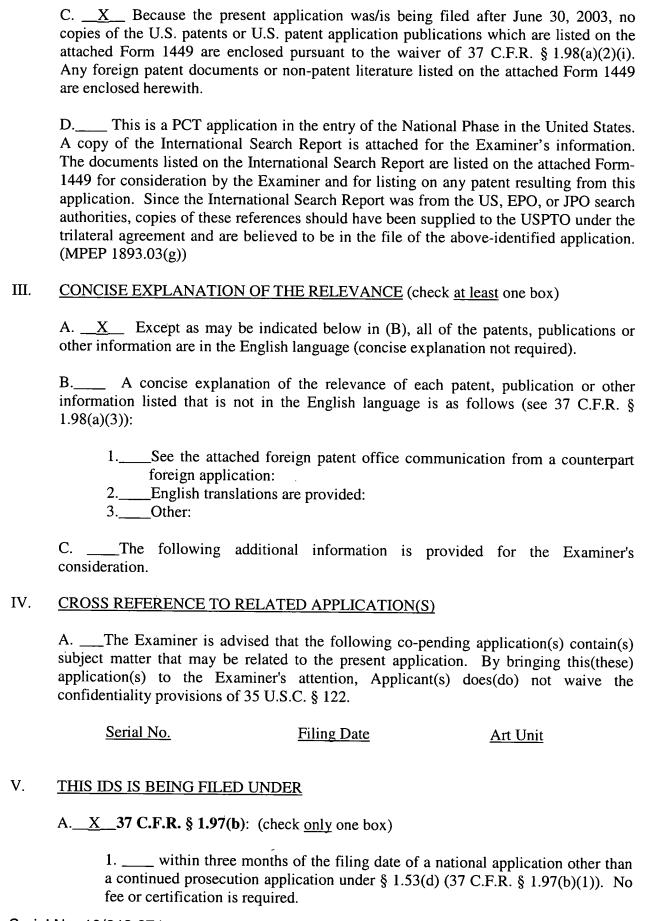
II. COPIES

A. Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. X Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

<u>U.S. Serial Number</u> 10/141,374

U.S. Filing Date May 8, 2002



Serial No. 10/643,674

| | | in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required. |
|-----|--------------------|--|
| | | 3. X before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p). |
| | | 4 before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required. |
| | В | _37 C.F.R. § 1.97(c): (check only one box) |
| | | before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution. |
| | | 1No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p). |
| | | 2See the certification below. No fee is required. |
| | C | _37 C.F.R. § 1.97(d): |
| | | after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee. |
| | | 1See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p). |
| VI. | <u>CERT</u> | IFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box) |
| | The ur | ndersigned hereby certifies that: |
| | committee than the | each item of information contained in this IDS was first cited in a unication from a foreign patent office in a counterpart foreign application not more tree months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further ent under 37 C.F. R. 1.704(d) below in section VII, if applicable; or |
| | a forei | _ no item of information contained in this IDS was cited in a communication from gn patent office in a counterpart foreign application, and, to the knowledge of the igned after making reasonable inquiry no item of information contained in this |

IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ___Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

- A. ____ A check in the amount of \$180.00 is enclosed for the above-identified fee.
- B. ___Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: 19 When Levers

By: David L. Suter

Reg. No. 30,692

HARNESS, DICKEY & PIERCE, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

DLS/akb



FORM HDP-1 (Base) on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 6

| ATTORNEY DOCKET NO. | SERIAL NO. |
|---------------------|------------|
| 1736-000001/REB | 10/643,674 |
| APPLICANT | |
| Hyon et al. | |
| FILING DATE | . GROUP |
| August 19, 2003 | |

| U.S. F | ATENT DO | CUMENTS | | | | |
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| Examinor. | Date Considered: |
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PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

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Sheet 2 of 6

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| 1736-000001/REB | 10/643,674 |
| APPLICANT | |
| Hyon et al. | |
| FILING DATE | GROUP |
| August 19, 2003 | |

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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (ESSeed on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

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Sheet 3 of 6

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| 1736-000001/REB | 10/643,674 |
| APPLICANT | |
| Hyon et al. | |
| FILING DATE | GROUP |
| August 19, 2003 | |

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| 5. | | JP 62 243634 | 10/24/1987 | Japan | | Abstract | |

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Sheet 4 of 6

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| APPLICANT | |
| Hyon et al. | |
| FILING DATE | GROUP |
| August 19, 2003 | |

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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Baselin Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

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Sheet 5 of 6

| ATTORNEY DOCKET No. | SERIAL NO. | |
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| APPLICANT | | _ |
| Hyon et al. | | |
| FILING DATE | GROUP | |
| August 19, 2003 | | |

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| 18. | | Tribology Laboratory information sheet and curriculum vitaes for Drs. McKellop and Shen, www.orthohospital.org/research/Tribology Lab (5 pages). |

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FORM HDP-1449 (Base PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

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Sheet 6 of 6

| ATTORNEY DOCKET No. | SERIAL NO. |
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| 1736-000001/REB | 10/643,674 |
| APPLICANT | |
| Hyon et al. | |
| FILING DATE | GROUP |
| August 19, 2003 | |

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^{*} Indicates previously cited in original U.S. Patent 6,168,626.

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Date Considered: